

**(43) International Publication Date**  
**28 July 2005 (28.07.2005)**

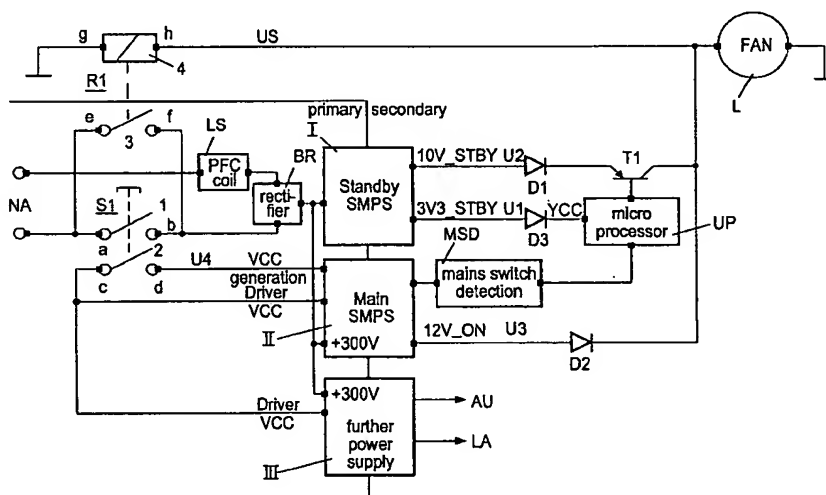
**PCT**

**(10) International Publication Number**  
**WO 2005/069468 A2**

- |   |  |
|---|--|
| <p>(51) <b>International Patent Classification<sup>7</sup>:</b> <b>H02M 1/00</b></p> <p>(21) <b>International Application Number:</b><br/>PCT/EP2004/014763</p> <p>(22) <b>International Filing Date:</b><br/>28 December 2004 (28.12.2004)</p> <p>(25) <b>Filing Language:</b> English</p> <p>(26) <b>Publication Language:</b> English</p> <p>(30) <b>Priority Data:</b><br/>102004001296.2      8 January 2004 (08.01.2004)      DE</p> <p>(71) <b>Applicant (for all designated States except US):</b> THOMSON LICENSING S.A. [FR/FR]; 46 Quai A. le Gallo, F-92100 Boulogne-Billancourt (FR).</p> <p>(72) <b>Inventors; and</b></p> <p>(75) <b>Inventors/Applicants (for US only):</b> HERMANN, Wolfgang [DE/DE]; Berneck 97, 78144 Tennenbronn (DE). MEITZNER, Michael [DE/DE]; Neuer Weg 17, 78052</p> | <p>Villingen-Schwenningen (DE). LOUVEL, Jean-Paul [FR/DE]; Am Boegle 30, 78086 Brigachtal (DE).</p> <p>(74) <b>Agent:</b> ARNOLD, Klaus-Peter; Deutsche Thomson-Brandt GmbH, European Patent Operations, Karl-Wiechert-Allee 74, 30625 Hannover (DE).</p> <p>(81) <b>Designated States (unless otherwise indicated, for every kind of national protection available):</b> AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.</p> <p>(84) <b>Designated States (unless otherwise indicated, for every kind of regional protection available):</b> ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,</p> |
|---|--|

[Continued on next page]

- (54) Title: CIRCUIT ARRANGEMENT HAVING A POWER SUPPLY UNIT**



- (S7) Abstract:** The circuit arrangement has a power supply unit (I, II, III), a mains switch (S1) and a switching element (R1), for example a relay, that bridges a first switching contact (1) of the mains switch (S1). A load (L) is coupled to a control terminal (4) of the switching element (R1), so that when the control voltage (US) is turned off for the purpose of opening the switching element (R1), the load (L) is simultaneously turned off. The circuit arrangement contains a microprocessor (UP), in particular, which is supplied with an operating voltage (U1) by the power supply unit (I), and which is coupled to the control terminal (4) of the switching element (R1) for control of the switching element (R1). The load (L) is a fan, for example, which is switched off in a delayed manner when the circuit arrangement is switched off by means of the mains switch (S1).



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

- *without international search report and to be republished upon receipt of that report*